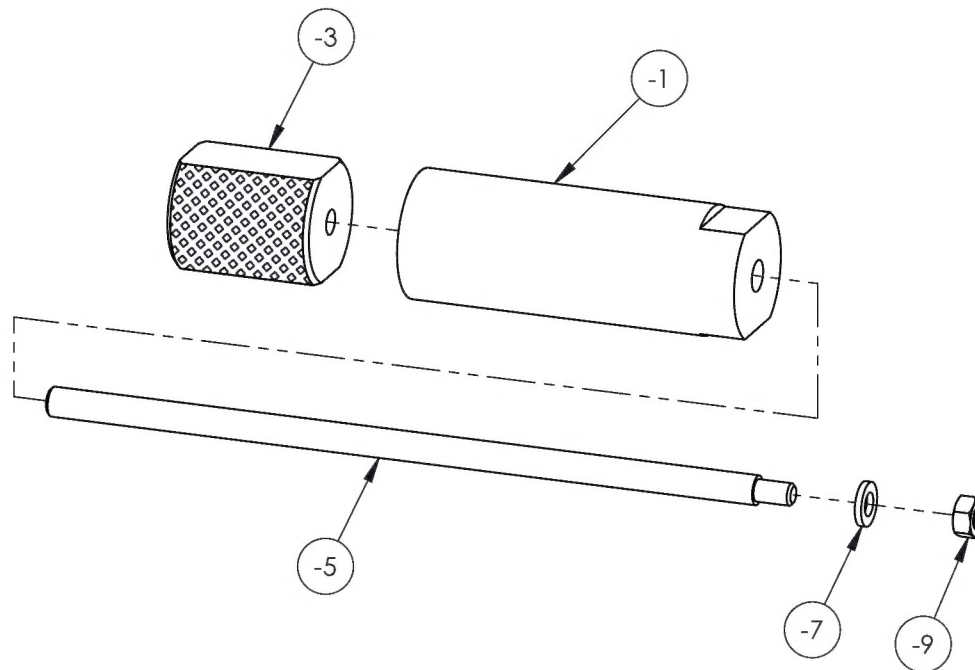


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	6/17/2016	DPD	JAG
2	16-0128	-1, -3, & -5 CH'D MATERIAL WAS 4140/4142 Q&T IS 4140/4142. ADDED HEAT TREAT RC 28-32. -1 CH'D DIM WAS .50 IS 2X .50, CH'D ZINC PLATE FINISH SPEC WAS ASTM B633 TYPE II SC 2 IS ASTM B633 TYPE I SC 2.	11/8/2016	RJC	JAG



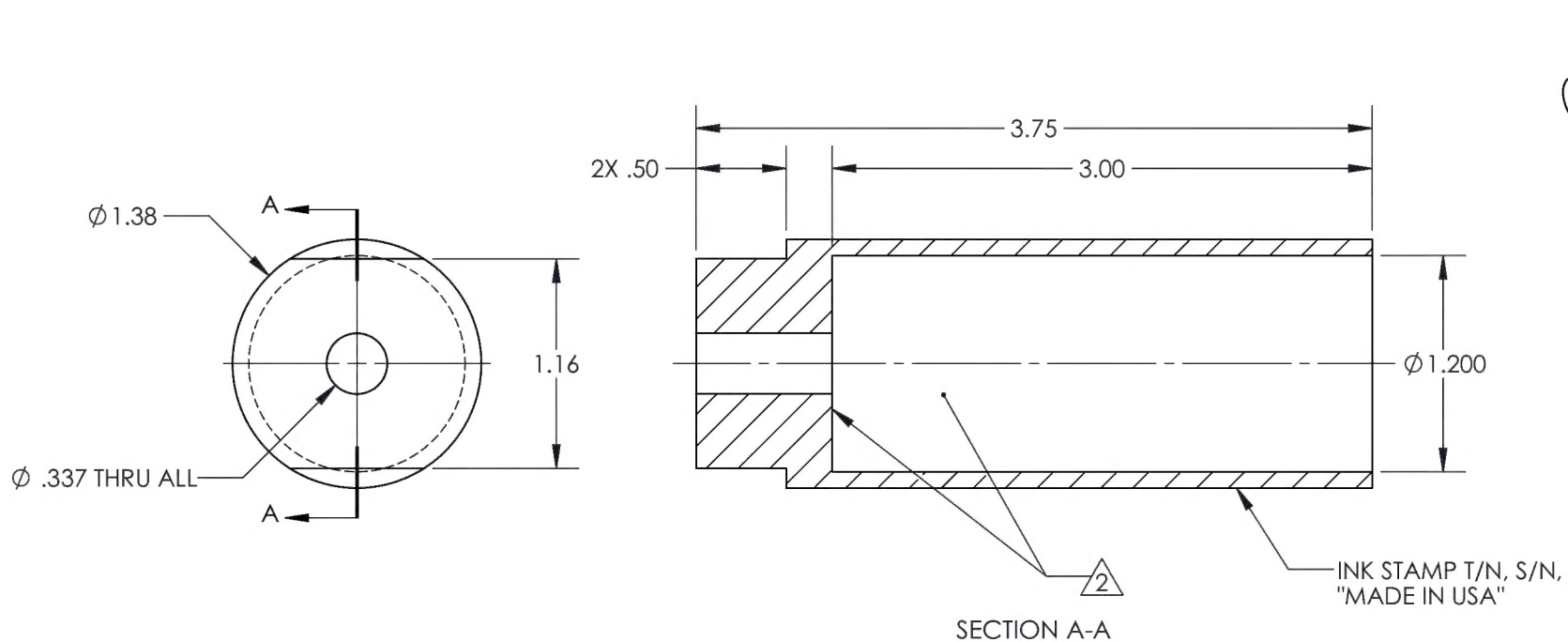
- NOTES:
1. REF. AIRBUS T/N: M633V3000124.
2. PART OF KIT RBEM633V3000102.

DART AEROSPACE													
TITLE MGB BAR PIN EXCHANGE													
DWG NO. RBEM633V3000124	REV 2												
<table border="1"> <tr> <td>MAT'L</td> <td>UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>HEAT TREAT</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>FINISH</td> <td>.XXX ± .005 FRACTIONS ± 1/8</td> </tr> <tr> <td>SPEC</td> <td>.XX ± .01 ANGLES ± 5°</td> </tr> <tr> <td></td> <td>.X ± .1 SURFACES = 125/✓</td> </tr> <tr> <td colspan="2"> 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 </td> </tr> </table>		MAT'L	UNLESS OTHERWISE SPECIFIED	HEAT TREAT	DIMENSIONS ARE IN INCHES	FINISH	.XXX ± .005 FRACTIONS ± 1/8	SPEC	.XX ± .01 ANGLES ± 5°		.X ± .1 SURFACES = 125/✓	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
MAT'L	UNLESS OTHERWISE SPECIFIED												
HEAT TREAT	DIMENSIONS ARE IN INCHES												
FINISH	.XXX ± .005 FRACTIONS ± 1/8												
SPEC	.XX ± .01 ANGLES ± 5°												
	.X ± .1 SURFACES = 125/✓												
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009													
<table border="1"> <tr> <td>DRAWN BY:</td> <td>DUERFELDT</td> </tr> <tr> <td>CHECKED:</td> <td>CLOUGH</td> </tr> <tr> <td>OPPS APPR:</td> <td>ANDERSON</td> </tr> <tr> <td>QA APPR:</td> <td>LINDSAY</td> </tr> <tr> <td>APPROVED:</td> <td>GILBERT</td> </tr> </table>		DRAWN BY:	DUERFELDT	CHECKED:	CLOUGH	OPPS APPR:	ANDERSON	QA APPR:	LINDSAY	APPROVED:	GILBERT		
DRAWN BY:	DUERFELDT												
CHECKED:	CLOUGH												
OPPS APPR:	ANDERSON												
QA APPR:	LINDSAY												
APPROVED:	GILBERT												
<table border="1"> <tr> <td>SCALE</td> <td>1:2</td> </tr> <tr> <td>DATE</td> <td>3/28/2016</td> </tr> <tr> <td colspan="2">SHEET 1 OF 4</td> </tr> </table>		SCALE	1:2	DATE	3/28/2016	SHEET 1 OF 4							
SCALE	1:2												
DATE	3/28/2016												
SHEET 1 OF 4													

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	TUBE	4140/4142		2
			-3	1	NUT	4140/4142		3
			-5	1	THREADED ROD	4140/4142		4
		B/O	-7	1	WASHER	STEEL	M6, CLASS 10.9 (MCMaster-CARR #91455A120)	1
		B/O	-9	1	HEX NUT	STEEL	M6 X 1mm, CLASS 10 (MCMaster-CARR #92497A350)	1

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0128	-1 CH'D DIM WAS .50 IS 2X .50, CH'D MATERIAL WAS 4140/4142 Q&T IS 4140/4142, ADDED HEAT TREAT RC 28-32, CH'D ZINC PLATE FINISH SPEC WAS ASTM B633 TYPE II SC 2 IS ASTM B633 TYPE I SC 2.	11/8/2016	RJC	JAG



NOTES:

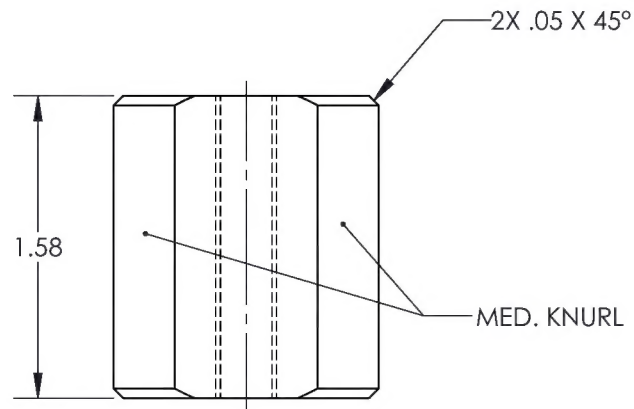
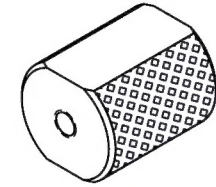
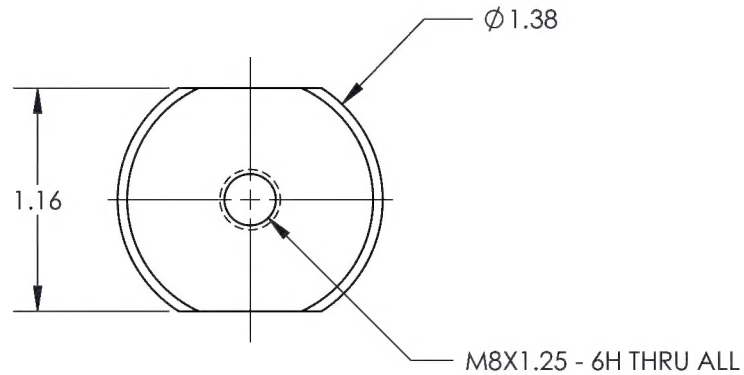
- DUAL FINISH:
1ST: ZINC PLATE, ASTM B633 TYPE I SC2.
2ND: POWDER COAT YELLOW, FED #13538.
- NO POWDER COAT THIS SURFACE.

(1)
TUBE

DART AEROSPACE	
TITLE MGB BAR PIN EXCHANGE	
DWG NO. RBEM633V3000124-1	REV 2
MAT'L 4140/4142 HEAT TREAT RC 28-32 FINISH SEE NOTE 1 SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT CHECKED: CLOUGH OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
USED ON MODEL H175	
SCALE 1:1	DATE 3/28/2016
SHEET 2 OF 4	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0128	-3 CH'D MATERIAL WAS 4140/4142 Q&T IS 4140/4142, ADDED HEAT TREAT RC 28-32	11/8/2016	RJC	JAG

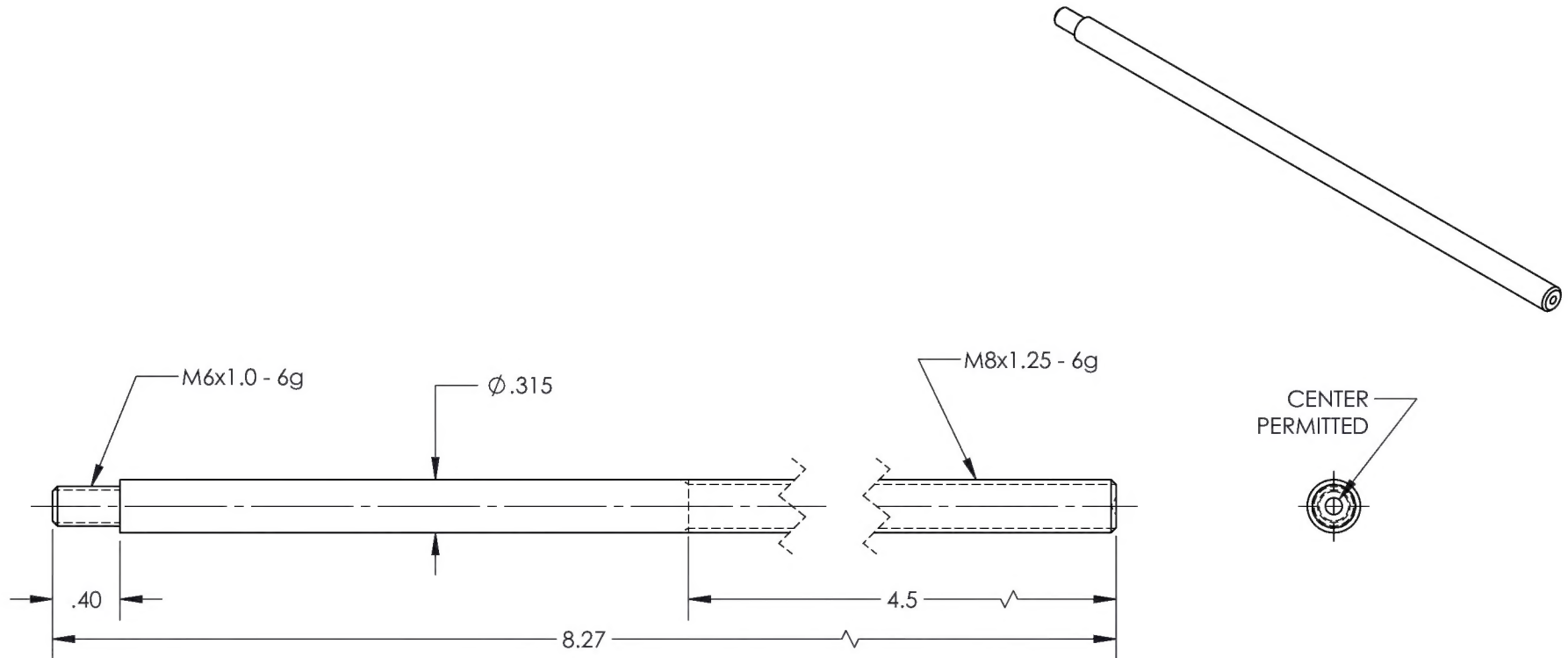


③
NUT

DART AEROSPACE	
TITLE MGB BAR PIN EXCHANGE	
DWG NO. RBEM633V3000124-3	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-32	DIMENSIONS ARE IN INCHES
FINISH POWDER COAT YELLOW	.XXX ± .005 FRACTIONS ± 1/8
SPEC FED #13538	.XX ± .01 ANGLES ± .5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125°
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 3/28/2016	USED ON MODEL
SHEET 3 OF 4	H175

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0128	-5 CH'D MATERIAL WAS 4140/4142 Q&T IS 4140/4142, ADDED HEAT TREAT RC 28-32	11/8/2016	RJC	JAG



(-5)
THREADED ROD

DART AEROSPACE	
TITLE MGB BAR PIN EXCHANGE	
DWG NO. RBEM633V3000124-5	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-32	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± 5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125° ✓
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	USED ON MODEL
DATE 3/28/2016	H175
SHEET 4 OF 4	